

## WEST Search History

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DATE: Thursday, December 09, 2004

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<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L3	L2 and carbamoyl adj3 phosphate adj2 (synthetase or synthase)	21
<input type="checkbox"/>	L2	brevibacterium lactofermentum or b. lactofermentum	927
<input type="checkbox"/>	L1	brebibacterium lactofermentum or b. lactofermentum	1

END OF SEARCH HISTORY

## Hit List

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Search Results - Record(s) 1 through 20 of 21 returned.

1. Document ID: US 20040146974 A1

Using default format because multiple data bases are involved.

L3: Entry 1 of 21

File: PGPB

Jul 29, 2004

PGPUB-DOCUMENT-NUMBER: 20040146974

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040146974 A1

TITLE: Method for producing L-amino acid using methylotroph

PUBLICATION-DATE: July 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gunji, Yoshiya	Kawasaki		JP	
Yasueda, Hisashi	Kawasaki		JP	

US-CL-CURRENT: 435/69.1; 435/115, 435/193, 435/252.33, 435/320.1, 536/23.2

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Draw](#)

2. Document ID: US 20040052820 A1

L3: Entry 2 of 21

File: PGPB

Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040052820

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040052820 A1

TITLE: Fusion proteins comprising DP-178 and other viral fusion inhibitor peptides useful for treating aids

PUBLICATION-DATE: March 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bolognesi, Dani Paul	Durham	NC	US	
Matthews, Thomas James	Durham	NC	US	
Wild, Carl T.	Durham	NC	US	
Barney, Shawn O'Lin	Cary	NC	US	
Lambert, Dennis Michael	Cary	NC	US	

Petteway, Stephen Robert	Cary	NC	US
Langlois, Alphonse J.	Durham	NC	US

US-CL-CURRENT: 424/208.1; 424/188.1, 424/204.1, 530/300, 530/350

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

3. Document ID: US 20030124687 A1

L3: Entry 3 of 21

File: PGPB

Jul 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030124687

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030124687 A1

TITLE: Method for producing L-lysine or L-arginine by using methanol assimilating bacterium

PUBLICATION-DATE: July 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gunji, Yoshiya	Kawasaki-shi		JP	
Yasueda, Hisashi	Kawasaki-shi		JP	

US-CL-CURRENT: 435/115; 435/252.3, 435/320.1, 435/69.1, 530/350, 536/23.5

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

4. Document ID: US 20030124685 A1

L3: Entry 4 of 21

File: PGPB

Jul 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030124685

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030124685 A1

TITLE: CARBAMOYL-PHOSPHATE SYNTHETASE GENE OF CORYNEFORM BACTERIA AND METHOD FOR PRODUCING L-ARGININE

PUBLICATION-DATE: July 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kuwabara, Yoko	Kawasaki-Shi		JP	
Hashiguchi, Kenichi	Kawasaki-Shi		JP	
Nakamatsu, Tsuyoshi	Kawasaki-Shi		JP	
Kurahashi, Osamu	Kawasaki-Shi		JP	
Mori, Yukiko	Kawasaki-Shi		JP	
Ito, Hisao	Kawasaki-Shi		JP	

US-CL-CURRENT: 435/114, 435/196, 435/252.3, 435/320.1, 435/69.1, 536/23.2

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KIMC</a>	<a href="#">Draw. De</a>
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 5. Document ID: US 20030082775 A1

L3: Entry 5 of 21

File: PGPB

May 1, 2003

PGPUB-DOCUMENT-NUMBER: 20030082775

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030082775 A1

TITLE: Carbamoyl-phosphate synthetase gene of coryneform bacteria and method for producing L-arginine

PUBLICATION-DATE: May 1, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kuwabara, Yoko	Kawasaki-shi		JP	
Hashiguchi, Kenichi	Kawasaki-shi		JP	
Nakamatsu, Tsuyoshi	Kawasaki-shi		JP	
Kurahashi, Osamu	Kawasaki-shi		JP	
Mori, Yukiko	Kawasaki-shi		JP	
Ito, Hisao	Kawasaki-shi		JP	

US-CL-CURRENT: 435/193, 435/320.1, 435/325, 435/6, 435/69.1, 536/23.2

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KIMC</a>	<a href="#">Draw. De</a>
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 6. Document ID: US 20030082774 A1

L3: Entry 6 of 21

File: PGPB

May 1, 2003

PGPUB-DOCUMENT-NUMBER: 20030082774

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030082774 A1

TITLE: Carbamoyl-phosphate synthetase gene of coryneform bacteria and method for producing L-arginine

PUBLICATION-DATE: May 1, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kuwabara, Yoko	Kawasaki-shi		JP	
Hashiguchi, Kenichi	Kawasaki-shi		JP	
Nakamatsu, Tsuyoshi	Kawasaki-shi		JP	
Kurahashi, Osamu	Kawasaki-shi		JP	
Mori, Yukiko	Kawasaki-shi		JP	

Ito, Hisao

Kawasaki-shi

JP

US-CL-CURRENT: 435/193; 435/320.1, 435/325, 435/6, 435/69.1, 536/23.2

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KOMC</a>	<a href="#">Drawn D</a>
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 7. Document ID: US 20030049804 A1

L3: Entry 7 of 21

File: PGPB

Mar 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030049804

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030049804 A1

TITLE: Corynebacterium glutamicum genes encoding metabolic pathway proteins

PUBLICATION-DATE: March 13, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Pompejus, Markus	Freinsheim		DE	
Kroger, Burkhard	Limburgerhof		DE	
Schroder, Hartwig	Nussloch		DE	
Zelder, Oskar	Speyer		DE	
Haberhauer, Gregor	Limburgerhof		DE	
Kim, Jun-Won	Seoul		KR	
Lee, Heung-Shick	Seoul		KR	
Hwang, Byung-Joon	Seoul		KR	

US-CL-CURRENT: 435/115; 435/183, 435/252.3, 435/320.1, 435/69.1, 536/23.2

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KOMC</a>	<a href="#">Drawn D</a>
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 8. Document ID: US 20020197605 A1

L3: Entry 8 of 21

File: PGPB

Dec 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020197605

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020197605 A1

TITLE: Novel Polynucleotides

PUBLICATION-DATE: December 26, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Nakagawa, Satoshi	Tokyo		JP	
Mizoguchi, Hiroshi	Tokyo		JP	

Ando, Seiko	Tokyo	JP
Hayashi, Mikiro	Tokyo	JP
Ochiai, Keiko	Tokyo	JP
Yokoi, Haruhiko	Tokyo	JP
Tateishi, Naoko	Tokyo	JP
Senoh, Akihiro	Tokyo	JP
Ikeda, Masato	Tokyo	JP
Ozaki, Akio	Hofu-shi	JP

US-CL-CURRENT: 435/6; 435/287.2, 435/91.2

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Drawn D](#)

9. Document ID: US 20020137151 A1

L3: Entry 9 of 21

File: PGPB

Sep 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020137151

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020137151 A1

TITLE: Process for the fermentative preparation of metabolic products and for the nucleotide sequences encoding for the sod gene

PUBLICATION-DATE: September 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Merkamm, Muriel	Les Ulis		FR	
Guyonvarch, Armel	Orsay		FR	
Marx, Achim	Bielefeld		DE	

US-CL-CURRENT: 435/115; 435/193, 435/252.3, 536/23.2

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Drawn D](#)

10. Document ID: US 20020090702 A1

L3: Entry 10 of 21

File: PGPB

Jul 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020090702

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020090702 A1

TITLE: Carbamoyl-phosphate synthetase gene of coryneform bacteria and method for producing L-arginine

PUBLICATION-DATE: July 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kuwabara, Yoko	Kawasaki-shi		JP	
Hashiguchi, Kenichi	Kawasaki-shi		JP	
Nakamatsu, Tsuyoshi	Kawasaki-shi		JP	
Kurahashi, Osamu	Kawasaki-shi		JP	
Mori, Yukiko	Kawasaki-shi		JP	
Ito, Hisao	Kawasaki-shi		JP	

US-CL-CURRENT: 435/196; 435/131, 435/320.1, 435/325, 435/69.1, 536/23.2

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWMC](#) | [Draw. De](#)

11. Document ID: US 6569650 B1

L3: Entry 11 of 21

File: USPT

May 27, 2003

US-PAT-NO: 6569650

DOCUMENT-IDENTIFIER: US 6569650 B1

TITLE: Process for the fermentative preparation of metabolic products and for the nucleotide sequences encoding for the sod gene

DATE-ISSUED: May 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Merkamm; Muriel	Les Ulis			FR
Guyonvarch; Armel	Orsay			FR
Marx; Achim	Bielefeld			DE

US-CL-CURRENT: 435/106; 435/115, 435/252.32, 435/320.1, 536/23.1, 536/23.2,  
536/23.7

ABSTRACT:

The present invention is directed to nucleotide sequences coding for the superoxide dismutase (sod) gene from Corynebacterium melassecola. It includes processes for the fermentative preparation of nucleotides, vitamins and L-amino acids using coryneform bacteria in which the sod gene is amplified.

12 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWMC](#) | [Draw. De](#)

12. Document ID: US 6403351 B1

L3: Entry 12 of 21

File: USPT

Jun 11, 2002

US-PAT-NO: 6403351

DOCUMENT-IDENTIFIER: US 6403351 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Pyruvate carboxylase polypeptide from Corynebacterium glutamicum

DATE-ISSUED: June 11, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sinskey; Anthony J.	Boston	MA		
Lessard; Philip A.	Framingham	MA		
Willis; Laura B.	Cambridge	MA		

US-CL-CURRENT: 435/183; 530/350

## ABSTRACT:

The present invention concerns an anaplerotic enzyme from Corynebacterium glutamicum which replenishes oxaloacetate consumed during lysine and glutamic acid production in industrial fermentations. In particular, isolated nucleic acid molecules are provided encoding the pyruvate carboxylase protein. Pyruvate carboxylase polypeptides are also provided.

5 Claims, 3 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Dependencies	References	Claims	KMC	Draw D
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## □ 13. Document ID: US 6255086 B1

L3: Entry 13 of 21

File: USPT

Jul 3, 2001

US-PAT-NO: 6255086

DOCUMENT-IDENTIFIER: US 6255086 B1

TITLE: Carbamoyl-phosphate synthetase gene of coryneform bacteria and method for producing L-arginine

DATE-ISSUED: July 3, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kuwabara; Yoko	Kawasaki			JP
Hashiguchi; Kenichi	Kawasaki			JP
Nakamatsu; Tsuyoshi	Kawasaki			JP
Kurahashi; Osamu	Kawasaki			JP
Mori; Yukiko	Kawasaki			JP
Ito; Hisao	Kawasaki			JP

US-CL-CURRENT: 435/114; 435/252.32, 435/320.1, 435/6

ABSTRACT:

A DNA fragment which encodes a polypeptide defined in the following (a) or (b), and a polypeptide defined in the following (c) or (d):

(a) a polypeptide which has at least the amino acid sequence of the amino acid numbers 50 to 393 in SEQ ID NO: 2 shown in Sequence Listing,

(b) a polypeptide which has at least the amino acid sequence of the amino acid numbers 50 to 393 in SEQ ID No: 2 shown in Sequence Listing including substitution, deletion, insertion, addition, or inversion of one or several amino acids, and can constitute a protein having a carbamoyl-phosphate synthetase activity with a large subunit of carbamoyl-phosphate synthetase having the amino acid sequence comprising at least the amino acid numbers 55 to 1113 of SEQ ID NO: 3,

(c) a polypeptide which has the amino acid sequence comprising at least the amino acid numbers 55 to 1113 of SEQ ID NO: 3 shown in Sequence Listing,

(d) a polypeptide which has the amino acid sequence comprising at least the amino acid numbers 55 to 1113 of SEQ ID NO: 3 shown in Sequence Listing including substitution, deletion, insertion, addition, or inversion of one or several amino acids, and can constitute a protein having a carbamoyl-phosphate synthetase activity with a small subunit of carbamoyl-phosphate synthetase having the amino acid sequence of the amino acid numbers 50 to 393 in SEQ ID NO: 2.

4 Claims, 3 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn De](#)

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14. Document ID: US 6171833 B1

L3: Entry 14 of 21

File: USPT

Jan 9, 2001

US-PAT-NO: 6171833

DOCUMENT-IDENTIFIER: US 6171833 B1

TITLE: Pyruvate carboxylase from corynebacterium glutamicum

DATE-ISSUED: January 9, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sinskey; Anthony J.	Boston	MA		
Lessard; Philip A.	Framingham	MA		
Willis; Laura B.	Cambridge	MA		

US-CL-CURRENT: 435/183; 435/252.3, 435/320.1, 435/325, 436/6, 536/23.2

ABSTRACT:

The present invention concerns an anaplerotic enzyme from *Corynebacterium glutamicum* which replenishes oxaloacetate consumed during lysine and glutamic acid production in industrial fermentations. In particular, isolated nucleic acid molecules are provided encoding the pyruvate carboxylase protein. Pyruvate carboxylase polypeptides are also provided.

13 Claims, 3 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 3

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequence</a>	<a href="#">Attachment</a>	<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Drawn De</a>
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15. Document ID: US 6093794 A

L3: Entry 15 of 21

File: USPT

Jul 25, 2000

US-PAT-NO: 6093794

DOCUMENT-IDENTIFIER: US 6093794 A

TITLE: Isolated peptides derived from the Epstein-Barr virus containing fusion inhibitory domains

DATE-ISSUED: July 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		

US-CL-CURRENT: 530/300; 424/186.1, 424/230.1, 530/324, 530/325, 530/326, 530/350

ABSTRACT:

The present invention relates to peptides which exhibit potent

anti-retroviral activity. The peptides of the invention comprise DP178 (SEQ ID:1) peptide corresponding to amino acids 638 to 673 of the HIV-1.sub.LAI gp41 protein, and fragments, analogs and homologs of DP178. The invention further relates to the uses of such peptides as inhibitory of human and non-human retroviral, especially HIV, transmission to uninfected cells.

27 Claims, 52 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 83

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequence</a>	<a href="#">Attachment</a>	<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Drawn De</a>
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16. Document ID: US 6060065 A

L3: Entry 16 of 21

File: USPT

May 9, 2000

US-PAT-NO: 6060065  
DOCUMENT-IDENTIFIER: US 6060065 A

TITLE: Compositions for inhibition of membrane fusion-associated events, including influenza virus transmission

DATE-ISSUED: May 9, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		

US-CL-CURRENT: 424/209.1; 424/186.1, 424/192.1, 424/206.1, 530/300, 530/324,  
530/325, 530/326, 530/327, 530/328, 530/329, 530/330

ABSTRACT:

The present invention relates to viral peptides referred to as "DP107- and DP178-like" peptides. Specifically, the invention relates to isolated influenza A DP107- and DP178-like peptides which are identified by sequence search motif algorithms. The peptides of the invention exhibit antiviral activity believed to result from inhibition of viral induced fusogenic events.

5 Claims, 84 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 83

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) |

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17. Document ID: US 6054265 A

L3: Entry 17 of 21

File: USPT

Apr 25, 2000

US-PAT-NO: 6054265  
DOCUMENT-IDENTIFIER: US 6054265 A

TITLE: Screening assays for compounds that inhibit membrane fusion-associated events

DATE-ISSUED: April 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway, Jr.; Stephen Robert	Cary	NC		

US-CL-CURRENT: 435/5; 435/7.2

**ABSTRACT:**

The present invention relates to peptides which exhibit potent anti-retroviral activity. The peptides of the invention comprise DP178 (SEQ ID:1) peptide corresponding to amino acids 638 to 673 of the HIV-1.sub.LAI gp41 protein, and fragments, analogs and homologs of DP178. The invention further relates to the uses of such peptides as inhibitory of human and non-human retroviral, especially HIV, transmission to uninfected cells.

1 Claims, 83 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 83

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KUMC](#) | [Draw. D](#)

**18. Document ID: US 6017536 A**

L3: Entry 18 of 21

File: USPT

Jan 25, 2000

US-PAT-NO: 6017536

DOCUMENT-IDENTIFIER: US 6017536 A

**TITLE:** Simian immunodeficiency virus peptides with antifusogenic and antiviral activities

**DATE-ISSUED:** January 25, 2000

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		
Langlois; Alphonse J.	Durham	NC		

**US-CL-CURRENT:** 424/188.1; 424/208.1, 530/300, 530/324, 530/325, 530/326

**ABSTRACT:**

The present invention relates to peptides which exhibit antifusogenic and antiviral activities. The peptides of the invention consist of a 16 to 39 amino acid region of a simian immunodeficiency virus (SIV) protein. These regions were identified through computer algorithms capable of recognizing the ALLMOTIS, 107.times.178.times.4, or PLZIP amino acid motifs. These motifs are associated with the antifusogenic and antiviral activities of the claimed peptides.

28 Claims, 50 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 62

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KUMC](#) | [Draw. D](#)

19. Document ID: US 6013263 A

L3: Entry 19 of 21

File: USPT

Jan 11, 2000

US-PAT-NO: 6013263

DOCUMENT-IDENTIFIER: US 6013263 A

TITLE: Measles virus peptides with antifusogenic and antiviral activities

DATE-ISSUED: January 11, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		

US-CL-CURRENT: 424/212.1; 424/184.1, 424/186.1, 530/300, 530/324, 530/325, 530/326

## ABSTRACT:

The present invention relates to peptides which exhibit potent anti-retroviral activity. The peptides of the invention comprise DP178 (SEQ ID:1) peptide corresponding to amino acids 638 to 673 of the HIV-1 sub.LAI gp41 protein, and fragments, analogs and homologs of DP178. The invention further relates to the uses of such peptides as inhibitory of human and non-human retroviral, especially HIV, transmission to uninfected cells.

38 Claims, 52 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 83

Full	Title	Citation	Front	Review	Classification	Date	Reference	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Claims	KOMC	Drawn D
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 20. Document ID: JP 2002101881 A

L3: Entry 20 of 21

File: JPAB

Apr 9, 2002

PUB-NO: JP02002101881A

DOCUMENT-IDENTIFIER: JP 2002101881 A

TITLE: CARBAMOYL PHOSPHATE SYNTHASE GENE OF CORYNEBACTERIUM AND METHOD FOR PRODUCING L-ARGININE

PUBN-DATE: April 9, 2002

## INVENTOR-INFORMATION:

NAME	COUNTRY
KUWABARA, YOKO	
HASHIGUCHI, KENICHI	
NAKAMATSU, WATARU	
KURAHASHI, OSAMU	

MORI, YUKIKO  
ITO, HISAO

INT-CL (IPC) : C12 N 15/09; C12 N 1/21; C12 N 9/00; C12 P 13/10

ABSTRACT:

PROBLEM TO BE SOLVED: To provide a carbamoyl phosphate synthase of Corynebacterium, to provide a gene encoding the synthase, and to provide a method for producing L-arginine by microorganisms through making use of the gene.

SOLUTION: This gene is a DNA fragment encoding the polypeptides in (a) and (c) described below: (a) a polypeptide capable of constituting a protein having the major subunit of a carbamoyl phosphate synthase having a specific amino acid sequence derived from Brevibacterium lactofermentum and carbamoyl phosphate synthase activity as well, and (c) a polypeptide capable of constituting a protein having the minor subunit of a carbamoyl phosphate synthase having the same specific amino acid sequence as mentioned above and carbamoyl phosphate synthase activity as well.

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PUB-NO: EP001026247A1

DOCUMENT-IDENTIFIER: EP 1026247 A1

TITLE: Carbamoyl-phosphate synthetase gene of coryneform bacteria and method for producing L-arginine

PUBN-DATE: August 9, 2000

INVENTOR-INFORMATION:

NAME	COUNTRY
KUWABARA, YOKO	JP
HASHIGUCHI, KENICHI	JP
NAKAMATSU, TSUYOSHI	JP
KURAHASHI, OSAMU	JP
MORI, YUKIKO	JP
ITO, HISAO	JP

INT-CL (IPC): C12 N 15/52; C12 N 9/00; C12 P 13/10; C12 N 1/21

EUR-CL (EPC): C12N009/00; C12P013/10

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